



year 3  
2012  
project

# Client-side Renderer for Jade

# Description

**Client-side Renderer for Jade (CR4J)** is a helper to easily load, compile and render your Jade templates client-side released under the MIT license.

It supports inlined templates defined in your HTML and also external ones that will be fetched from the server automatically.

The project page is: <http://coderesearchlabs.com/cr4j>

To learn more about how to use it, check the [Usage](#) section of this documentation.

## NOTES:

- It's global imports, Jade and jQuery (<http://jquery.com>, used mainly to deferred-get your templates), must be present to get it working.
- Due to the way it loads the templates, be sure the libraries that are combined with this one in your project support this DOM manipulation correctly (for example, watch out for UI libraries that rely in jQuery's ready event to initialize properly). In any case, and besides you might chose not to use it in production for this and/or other reasons (for example, Jade was designed to be used server-side), **CR4J** is still really handy in the development stage to craft manually your Jade scripts quickly.
- All of it's source code is in strict-mode.
- It includes 3 demos (the "inlined" one can be loaded locally directly in any browser without being web served).
- It has been tested in all major browsers (Internet Explorer, Chrome, Firefox, Opera and Safari) with expected results.
- To learn more about Jade's official browser support, please visit <https://github.com/visionmedia/jade#browser-support>.

Enjoy,  
Javier Santo Domingo  
[j-a-s-d@coderesearchlabs.com](mailto:j-a-s-d@coderesearchlabs.com)

# Usage

To use **CR4J** just call `loadTemplates()` and inside the callback asked as parameter call `renderTemplate()` for each template you want to render. Here is a minimal example:

```
<html>
<head>
<script type="text/javascript" src="scripts/jquery.min.js"></script>
<script type="text/javascript" src="scripts/jade.min.js"></script>
<script type="text/javascript" src="scripts/cr4j.min.js"></script>
<script type="text/template" id="minimal-jade">
#container #{text}
</script>
<script>
cr4j.loadTemplates(function() {
  document.write(
    cr4j.renderTemplate("minimal-jade", { text: "Hello World" })
  );
});
</script>
</head>
</html>
```

Please, check the demos included to see more "complex" examples.

To get a full list of routines provided by **CR4J**, just check the [API](#) section of this documentation.

**CR4J** offers the following public members to work with:

### General

**CR4J** **setParameters(parameters);**

*this fluent method allows you to set CR4J options:*

- **path:** *is the path from where your remote jade templates will be loaded*
- **suffix:** *is the suffix of your jade template declarations*
- **extension:** *is the extension of your remote jade template files*

**loadTemplates(callback);**

*this method loads your jade templates (all of them, local and remote) and finally calls back to the given callback (usually you will render your templates there)*

**renderTemplate(name, locals);**

*this method renders (as the returned string) the jade template that matches the given name and with the given locals*

### Fields

**templates;**

*this is the collection of loaded templates, useful to perform the manual iteration for rendering purposes*

# License

Client-side Renderer for Jade

Copyright (c) 2013 Javier Santo Domingo (j-a-s-d@coderesearchlabs.com).

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

# Tools

In the development of **Client-side Renderer for Jade** the following tools were specifically involved:

for source code minifying  
**Douglas Crockford's JSMIn**  
<https://github.com/douglascrockford/JSMin>

When working at **Code Research Laboratories** the following tools are used:

in the test management field  
**Gurock Software's TestRail**  
<http://www.gurock.com/testrail/>

in the version control field  
**VisualSVN Ltd's VisualSVN**  
<http://www.visualsvn.com/>

in the similarity analysing field  
**RedHill Consulting's Simian**  
<http://www.redhillconsulting.com.au/products/simian/>

in the application lifecycle management field  
**Inedo's BuildMaster**  
<http://www.inedo.com/buildmaster/>

in the documentation field  
**EC Software's Help & Manual**  
[http://www.ec-software.com/products\\_hm\\_overview.html](http://www.ec-software.com/products_hm_overview.html)

in the Java source code edition field  
**JetBrains's IntelliJ IDEA**  
<http://www.jetbrains.com/idea/>

in the bug tracking field  
**JetBrains's YouTrack**  
<http://www.jetbrains.com/youtrack/>

# History

DATE	DESCRIPTION
2013.03.11	initial development
2013.03.23	first public release